



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12



Volume 2, No. 6

57554

OAK RIDGE, TENNESSEE

Tuesday, Feb. 10, 1948



THE Y-12 PLANT CLASSIFICATION COMMITTEE, organized to coordinate classification of restricted data, is pictured above. At right is W. E. Davis, of the Security Office and chairman of the group. In the front row, left to right, are C. P. Keim, Emil Vincens and Leo Hemphill. In the back row are Ray Murray, C. E. Normand, G. W. Mitchel and C. R. Baldock. Other members of the committee who were absent when the picture was made are G. H. Clewett, C. D. Susano and J. H. Googin.

Protective Clothing, Safety Shoes Issuance Will Be Limited In Y-12 After February 13

Employees of Y-12 whose duties do not require the use of protective clothing and safety shoes will not be issued such equipment after Friday, February 13. A survey, reported in The Y-12 Bulletin on December 23, 1947, has shown that in many instances the issuance of protective garments to employees was without justification as there was no need for such articles in the performance of their work.

Employees who have in the past been eligible to receive protective clothing but who are no longer eligible to receive it will be advised of their status through regular channels of supervision before Friday.

Will Not Replace Worn Articles

Those employees to whom protective clothing and safety shoes will no longer be issued may continue to wear the clothing they now have within the Y-12 plant and receive laundry service for it as in the past. However, such clothing will not be replaced when it becomes worn out or unserviceable. Employees with safety garments who wish to repair the equipment themselves are free to do so and the laundry service will be available as long as the clothing is sent out for cleaning.

Meanwhile issuance of protective clothing and safety shoes to employees whose work requires the use of protective clothing will be made in the same manner as in the past. However, the protective clothing, with the exception of safety shoes, will be issued from Bldg. 9720-2. Arrangements are being made for the issuance of safety shoes in the North Wing of Bldg. 9704-2.

Employees May Buy Safety Shoes

All employees, regardless of whether they are eligible for issuance of protective clothing or safety shoes, will be entitled to purchase new safety shoes at cost from a store to be located in the North Wing of Bldg. 9704-2. Further announcement of this service will be made in The Bulletin at an early date.

Lions Minstrel Tickets On Sale

Tickets for the Oak Ridge Lions Club minstrel show, to be staged February 26, 27 and 28, now are on sale by members of the club and also may be obtained from Cliff Brill, a club member, at the M. K. Flenniken insurance office on Jackson Square.

All seats for the production, which will be presented at the high school auditorium, are reserved.

A number of Y-12 employees are in the cast of the show, which is being coordinated by C. P. Keim, Superintendent of the Y-12 Pilot Plant.

Y-12 Red Cross Quota Is Placed At \$2,000

Plans for the American Red Cross 1948 campaign to raise funds were formulated at a meeting held last Thursday night. George Flack, of K-25 has been named general chairman for the drive. Howard P. Doyle, Dept. A12J, was appointed chairman for Y-12.

The drive at Y-12 will start March 1 and run for two weeks, Doyle said, and he reported that \$2,000 had been set as the plant quota.

H. P. Schreiner was named chairman for the K-25 plant and R. Beidel and W. N. Woodward appointed co-chairman at X-10. Joe Gordon, of K-25, was named general chairman of the publicity committee with Joe Riordan, chairman for K-25, and Marc Sims, chairman for Y-12.

Vets Hospitalization Plan For Ridge To Be Delayed

The veterans hospitalization plan sponsored here by the Atomic City Post, No. 199, of the American Legion, will not materialize until clarification of the signed contract has been effected, it has been announced by Dr. Lucius A. Salisbury, director of the Oak Ridge Hospital.

The VA's Nashville office informed Dr. Salisbury that it had contacted the Atlanta office of the Veterans Administration for clarification of the contract. The purpose of the contract, which calls for 50-bed facilities at the Oak Ridge Hospital as explained by both Dr. Salisbury and Frank Wilson, Commander of the local American Legion Post, was to furnish hospitalization to veterans in this section whose service connected disabilities had been substantiated at the VA district office at Knoxville.

Zurcher To Speak At Engineers' Meet

The Oak Ridge Section of the American Society of Civil Engineers will hear a talk by Ernest Zurcher, Dept. A12W, in the West Lounge of Ridge Hall at 8 o'clock, tomorrow night, it has been announced by G. J. Angele of the same Y-12 department, and member of the group's publicity committee.

Subject of Zurcher's talk will be "Fabrication and Application of the Fulton Syphon Bellows in the Norden Bomb Sight," Angele said that an invitation is extended to all interested persons.

Dispensary Reports Perfect Attendance

Inclement weather during the week ending February 1 caused absentee figures for the plant to increase somewhat for that period over the previous week, the plant-wide mark being 4.4 per cent as against an even three per cent for the week ending January 25.

Despite unfavorable travel conditions, Dept. A12D, Dispensary, reported a perfect work attendance mark for the week, being the only department in Y-12 to attain this record. This department finished in ninth place in the minor league the preceding week. In second place in the minor league, composed of departments with from 15 to 49 employees, was Dept. B12A, Superintendents, with an absentee percentage of .8 per cent. The Superintendents were in fourth place during the week ending January 25. Third place was taken by Dept. M13P, Product Processing, which reported 1.11 per cent of its personnel absent. Dept. M13P was in sixth place the preceding week.

In the major league, composed of departments with more than 50 employees, Dept. B12H, Refining, resting in third place for the week ending January 25, jumped into the lead with an absentee record of 1.5 per cent. Dept. A12G, Guards, advanced from 10th place to second and reported an absentee record of 1.1 per cent.

(Continued on Page 3)

Supervision Must Schedule Eye Tests For Employees

With the backlog of requests by employees for eye tests for safety glasses gradually being reduced, persons desiring such tests are reminded that the examinations should be scheduled through supervision of the employee desiring the test.

W. Nathan Pickett, Y-12 optometrist, now is making eye tests for safety glasses from 8 a. m. to noon on Monday, Wednesday and Friday at the Dispensary. However, no employee should ask for an examination without first having it scheduled through his supervisor.

Plant Classification Committee Will Assist Y-12 Security Office In Grading Restricted Data Papers

To assist the Security Office in obtaining a uniform and plant-wide interpretation of appropriate classifications for all documentary material in Y-12, a Plant Classification Committee was organized last Tuesday at a meeting in the conference room of Bldg. 9731. W. E. Davis, of the Y-12 Security Office, was elected chairman of the group.

In the past the Security Office has utilized the assistance of various technical and scientific personnel in the plant in determining the appropriate security classification for the various documents originated in the plant in order to keep the originators of all documents containing restricted data fully advised on the status of such material. Now the classification committee has been organized to coordinate this assistance and will formulate a uniform and well-rounded opinion and interpretation of the classified documents.

One of the functions of the committee will be to establish a list of items pertaining to the various phases of plant activity within each category of classification. This list will serve as a guide to personnel authorized to handle restricted data in determining the appropriate classification of all documentary material.

Security Office Offers Aid

The Security Office, located in the North Portal, telephone 7125, invites employees desiring information on any phase of plant security to communicate with the office.

In addition to Chairman Davis, other members of the committee include G. H. Clewett, research chemist in Dept. H12D; C. D. Susano, also a research chemist in the same department; R. L. Murray, physicist in Dept. B12A; J. H. Googin, chemist in Dept. B12C; Leo Hemphill, engineer in Dept. A12W; C. R. Baldock, physicist in Dept. H12L; C. P. Keim, superintendent of the pilot plant; C. E. Normand, physicist in Dept. H12L; G. W. Mitchel, superintendent of the Refining Department; and Emil Vincens, engineer in Dept. A12W.

The plant classification committee will hold its next meeting at 1:30 p. m. tomorrow in the Bldg. 9731 conference room to begin its work.

Blood Typing Will Be Made During Annual Physicals

Through an apparent misunderstanding of a story published in The Y-12 Bulletin on availability of Y-12 Dispensary facilities for blood typing, several employees have applied for this service without an emergency existing that would warrant the blood typing being done.

Blood typing will be done at the Dispensary only in cases of emergency when an employee has been asked to act as a blood donor and it becomes necessary to ascertain the type of blood of the prospective donor.

It has been pointed out that blood typing of all employees will be included in the annual physical examinations, which now are being scheduled.

Following the blood typing during the regular physical examinations, every Y-12 employee will be issued a card describing his type of blood.

MUST GIVE RIGHT AGE

No longer may Nebraska women be permitted to say "legal age" when registering to vote. The state attorney general has ruled that registrants must give their correct age in the future.

Table Top Pictures Contest Set By Camera Club Tonight

A black and white photographic print competition will feature the monthly meeting of the Carbide Camera Club at 7:30 o'clock tonight in club headquarters in the Y-12 East Portal Building, according to Foster Calloway, of Y-12, president of the club.

The subject matter of the prints to be entered in the competition tonight is Table Top Photography. This is a highly specialized type of photography consisting of pictures of small objects arranged on a flat surface. Arrangement of the objects and lighting play a big part in the quality of the picture.

Y-12 Bulletin

Published Weekly By
Carbide And Carbon Chemicals
Corporation

Post Office Box P

Oak Ridge Tenn.

GEORGE W. DOBBS . News Editor
MARC V. SIMS . Asst. News Editor
ARNOLD TILLER Sports

OFFICE

North Portal, Bldg. 9701-1
Telephone 7402 or 7-8252

Like To Cook? Then Try This Recipe

APPLE CRUMB

Six large tart apples.
One pound Angostura Bitters.
One-half cup of butter or margarine.

One cup of flour.
One cup of light brown sugar (packed)

Wash, peel, slice and core apples. Place in a buttered baking dish and sprinkle with Bitters. Cut butter into flour and sugar mixture. Cover the apples with this mixture and bake in a moderately hot oven (375 degrees Fahrenheit) for 45 minutes. Serve slightly warm with a dab of whipped cream.

Serves six with 408 calories per serving. Source of vitamins A, B Complex.

Preparation time one hour.

Additions To Y-12 Technical Library

Mathematics

QA 171—Wigner, Eugen, "Grupentheorie." Michigan, Edwards Bros., 1944. 332 pages.

Periodical—"Annals of Mathematics," beginning with January, 1948 issue.

Physics

QC 451—Bomke, Hans, "Vakuum-spektroskopie." Michigan, Edwards Bros., 1944. 248 pages.

QC 451—Grotian, W., "Spektren Von Atomen Und Ionen." Vol. I. Michigan, Edwards Bros., 1946. 245 pages.

QC 451—Grotian, W., "Spektren Von Atomen Und Ionen." Vol. II. Michigan, Edwards Bros., 1946. 168 pages.

QC 518—Becker, R., "Theorie der Elektrizitat." Vol. II. Michigan, Edwards Bros., 1945. 400 pages.

Technology

TK 3441—Boning, Paul, "Elektrische Isolierstoffe." Michigan, Edwards Bros., 1944. 134 pages.

Periodical—"Metal Industry," beginning with January, 1948 issue.

Periodical—"Power Generation," beginning with January, 1948 issue.

Fine Arts Quintet Will Play Friday

The Fine Arts quartet, featured artists of the American Broadcasting Co., will be presented in concert at the Oak Ridge High School auditorium at 8:15 o'clock Friday night. The quartet, composed of Leonard Sorkin, first violin; Joseph Stepansky, second violin; Shepard Lenhoff, viola; and George Spokin, cello; will play Mozart's "The Hunt," Prokofiev's "Quartet No. 2" and Brahms' "Quartet in A Minor."

This is the first bonus concert brought to Oak Ridge by the Oak Ridge Civic Music Association and will be open to members only. Association members may obtain their tickets at the Music Box between 4 p. m. and 6 p. m. through Friday.

HANFORD GETS EXCESS

Excess construction steel, plumbing and electrical supplies, office and residential furniture, tractors, trucks and other equipment that has been stored in Oak Ridge warehouses has been sent to Hanford, Wash., to speed work on the Atomic Energy Commission installation there. The shipments from Oak Ridge, begun November 1, will require use of 100 railroad cars before the movement is completed.

Y-12 Rigger Tops 200 Hours In First Aid

Arthur F. Ogden, a rigger in Dept. A17N, is one of several Y-12 employees with long-time experience in first aid work who now are taking refresher courses in the classes being conducted in connection with the Plant Emergency Plan training. Ogden has had more than 200 hours of training in first aid work under United States Bureau of Mines and Red Cross technique.

As a result of this training, Ogden carries provisional first aid instructors' certificates from both the Bureau of Mines and the Red Cross. The first was obtained through instruction taken while Ogden was employed by the Tennessee Valley Authority at Gilbertsville, Ky., and the second while also a TVA employee at Murray, Ky. At that time he was a construction worker on the Kentucky Dam project. However, Ogden's original first aid training was taken while employed at a mine near Birmingham, Ala.

Ogden came to work in Y-12 in June, 1945, after being employed by TVA for several years. Staunch First Aid Advocate

A staunch advocate of first aid training for all, Ogden said:

"Everybody in Y-12 should take the first aid training. They should be able to help any fellow employee who might be injured and they sure would be glad to have somebody around who knows first aid if they themselves were hurt."

Training Put Into Practice

Ogden has had occasion to put his first aid training into practice on several occasions. He recalls one instance in 1943 when he was a passenger in an automobile going from Paris, Tenn., to Murray, Ky., and the party arrived at the scene of an accident in which an automobile had hit a tree. Of the six passengers in the ill-fated vehicle, four were killed or died en route to a hospital, while two lived. Ogden was able to give first aid to the survivors of the crash. He also aided in giving artificial respiration to a Gilbertsville Dam worker who had fallen into the river and administered first aid to accident victims on other occasions.

Cheaper, Smaller Cars Predicated

Another prediction that automobiles of the future will be smaller, lighter and less expensive, has been made by experts at a recent meeting of the American Society of Body Engineers in Detroit, Mich. It came from W. D. Appel, chief engineer for Willys-Overland Co., makers of the jeep, who told the designers that current prices are too high and the demand is growing for smaller and lighter automobiles.

He pointed out that the smaller car will replace the larger vehicle for the same reason that the bungalow and efficiency apartment has replaced the 14-room house.

Golf Club Sets Dance February 20

The Oak Ridge Golf and Country Club will inaugurate its 1948 social season with a dance at Grove Hall on Friday, February 20, for members and their guests, it has been announced by W. L. Scott, Dept. A12W, a member of the club's entertainment committee.

The committee has arranged for Skip Skipper and his orchestra to provide the dance music and has announced the price of the tickets will be \$2.50 per couple, tax included. Members may obtain tickets in Y-12 from Gentry L. Underwood, Bldg. 9204-3, and Jim Kirk, Bldg. 9704-2.

A security "drip" is one who reveals small bits of restricted data to unauthorized persons unknowingly.



THIS SNAZZY VALENTINE cartoon was drawn for The Bulletin by Gene Hill, of the Y-12 Paint Shop in Dept. A17N, General Plant Maintenance. The Bulletin hopes to offer more of Hill's work in the near future.



George Stukenbroeker, Dept. H12L, is back from Miami wishing he could have brought some of the Florida sunshine with him. L. E. Wilson was called to Dunn, N. C., last week because of the death of his sister-in-law.

Dept. H12D welcomes Bill Ward back after several months illness during which he spent about five weeks recuperating in California with his wife, Louise, who is a former Y-12 employee.

Dept. A12W extends sympathy to E. C. Sienknight whose father-in-law died at his home in Knoxville last week.

Among the Y-12 employees who attended the American Physics Society meeting recently at Columbia University, N. Y., included Dr. C. E. Larson, Dept. B12A; Dr. C. R. Baldock, Dept. H12L; E. D. Shipley, Dept. H12E; C. B. Mills, Dept. H12E; R. F. Hibbs, Dept. B13L and William Shultz, Dept. B13L.

Evel Teague of Corinth, Miss., former Y-12 employee, was a recent guest of Evelyn Tucker, Dept. A12M. Sympathy is extended to Lora Broadwater, whose brother-in-law, Clarence Henderson, died at his home in Chattanooga last week.

Anne B. Worley, Dept. B12C, is spending a quiet vacation in Knoxville. R. H. Floyd spent a recent week end in Gatlinburg. Mary Lee Cox, Dept. H12L, was a recent week-end guest of Billie Boyd, Dept. B12C.

Dept. A12M is glad to hear Rosa Lowe's granddaughter is recovering from serious burns received when her bath robe caught fire from an open grate.

Kay Guthrie, Dept. B13C, and Nancy Garrison, Dept. B13C were among the skiing group from Oak Ridge who returned to the Smokies recently and enjoyed themselves to the fullest extent.

Dept. A12S extends sympathy to Walter Hill whose mother died in Duff, Tenn., recently. D. E. Ferguson has returned to work after a week vacation.

C. D. Susano, Dept. H12D, is at his home in Knoxville and reported on the way to recovery from a recent illness.

Dept. A14N is glad to hear Smily B. Ward is out of the hospital and on the way to a quick recovery.

W. T. McNamara, Dept. A12N, is ill at his home in Knoxville. The department wishes him a quick recovery.

Mary Mitchell, Dept. B12H, spent her last five day break in Birmingham, Ala. Madeline Acuff spent a recent five-day break in Johnson City. Viola Kangas spent a few days in Cincinnati, Ohio. Clifford Stiles is back at work after a brief illness.

Mildred Johnson, Dept. B12L, spent a recent weekend in Milwaukee, Wis., visiting her husband who attends the University of Wisconsin.



Two births were reported to Y-12 families at the Oak Ridge Hospital last week. Parents were Mr. and Mrs. Ward E. Foster, a son, January 31; Mr. and Mrs. Scott Davis Lee, a daughter, February 4.

Hospital List

The following Y-12 employees were patients in the Oak Ridge Hospital last week: H. C. Gardner, Dept. A17N; Nathaniel Stetson, Dept. H12E; Frederick Uffelman, Dept. M12M; Clarence E. Harris, Dept. B12H; Ethel O. Rose, Dept. M12P; Clifford R. Stiles, Dept. M13B; Lora D. Kennedy, Dept. A19N; George H. Kesterson, Dept. A14J.

FUEL SAVING STRESSED

Public buildings in Oak Ridge, including schools, will be kept at a temperature of 68 degrees as one means of stressing the fuel conservation program in the city, it has been announced by the city management division. All residents and concessionaires are urged to cooperate in the program to conserve heating fuels, electric power and hot and cold water.

Keep all classified document records up to date.

'Wetter' Water Of Great Value In Fire Fighting

A new product known as "Unox" Fire Fighting Penetrant has been developed at the South Charleston, W. Va., plant of Carbide and Carbon Chemicals Corp., during the



past year, under the sponsorship of the general sales department. The applied research and experimental field work was conducted by the fire protection division.

The piercing screech of sirens, clanging bells, and the dash through traffic makes a fireman's life seem exciting. But along with the excitement there is plenty of hard, dirty and dangerous work. Fighting a fire—to the casual bystander—means just pouring on water until the fire is out. There is more science to it than that—as any fireman will quickly point out.

The toughest problem firemen face is to put out a fire with a minimum of damage to the property involved. Almost invariably more damage is done by smoke and water than by the fire. Any heavy smoke also causes severe suffering to firemen.

Some months ago, 500 bales of cotton, stored in a warehouse, caught fire. The firemen fought the blaze in the usual way. They poured heavy streams of water on the cotton, using large hose lines. This actually spread the fire because the force of water carried small pieces of burning cotton to other bales. The firemen called for help from a fire company in a nearby town which had been testing a new method of fire-fighting. This company used just a single one and one-half inch hose and chemically treated water. The fire was completely extinguished. The 500 bales of cotton had an unusually high salvage value.

This fire company also was called, a few days later, to a dwelling where five gallons of kerosene had been accidentally spilled and ignited. Almost one third of the house was blazing. In less than two minutes and with only 100 gallons of chemically treated water the fire was put out completely. Further than that, there was no water damage! The crowd of curious watchers could not believe that a fire could be put out so quickly and completely.

What's the answer? Chemistry now plays a part in fire-fighting. Carbide and Carbon Chemicals Corp. has found that one of its products has great value as an assistant in fire-fighting. This material, called "Unox" Penetrant, is a wetting agent, a chemical that makes water "wetter." That is, through a special characteristic this chemical helps water to penetrate surfaces that are normally hard to wet such as wood, bales of cotton, mattresses, upholstered fur-

In applying this chemical to fire-fighting, great promise is held for the reduction of fire losses due to water and smoke damage. The firemen's tasks also are made safer. When this special chemical is added to water and applied on a fire the smoke hazard is reduced considerably. This chemical—which is widely used for industrial purposes—is destined to become the fireman's friend by lending a helping hand in making his work easier and safer.

Be sure the name, address and telephone numbers of persons responsible for classified document repositories is posted on the outside of the safe or filing cabinet.

'18-8' Stainless Steel Chosen For Strength

A heavyweight jockey is certainly not much help to a horse that is trying to get up speed to win a race; and you will find that the builders of our streamlined trains, trucks, and buses likewise aim to keep a light load on their wheels. But these men have to consider strength and safety as well, and that is why stainless steel is such an ideal material for use in the transportation field. Thin sections of stainless steel can be fabricated into lightweight units that are strong, corrosion-resistant and durable.

Stainless Steel Strong, Enduring

The reputation that stainless steel has for being both strong and enduring is built on many years of service. The sleek Zephyrs of the Burlington Lines, which were some of the first trains to be built of stainless steel, have been pacing the rails year after year. On the highways there are whole fleets of stainless steel trucks carrying milk and chemicals and doing other trucking jobs as well. Even a number of airplanes have been built entirely of stainless steel and still others carry stainless steel wing panels, firewalls, and various engine parts.

One of the "favorite brands" chosen for lightweight structures is the stainless steel commonly known as "18-8." This means that it contains about 18 per cent chromium and eight per cent nickel. Steelmen have found that rolling and drawing this steel when cold helps to give it high strength. Low temperature heat-treatment also helps to make the steel stronger and tougher.

'18-8' Gets Tough Tests

Just to show that stainless steel can really take it, thin sections of "18-8" have been bent, without failure, through 180 degrees and at all temperatures down to minus 300 degrees, Fahrenheit. Several hefty blows, under the same conditions, did not noticeably damage the steel, either. That is because steel does not become brittle, as some metals do, at low temperatures.

Another trait that designers of lightweight structures look for is, of course, durability. Stainless steel has a fine record to prove that it is durable. The steel has been exposed to all kinds of atmospheres—both city and rural—and it has even spent considerable time at the seashore—which many metals cannot bear because the salt air is so corrosive. The surfaces of the stainless steel likewise are not worn away by grit and other highly abrasive products.

Chromium Gives Shine

The "shine" that keeps all stainless steel streamliners looking brand-new, is a gift of chromium, the alloy the Electromet Company (a unit of Union Carbide and Carbon Corporation) furnishes to the plants that make stainless steel. It is chromium, also, that gives stainless steel greater strength, hardness and resistance to shock—all properties that help to make these same streamliners ride "light" with the utmost safety on wheels.

Think SecurityPractice Security.

Social Security Tax Refund Forms Are Out

(Continued from Page 1)

filing income tax returns also may be obtained from Hamrick. However, it is stressed that this service necessarily will be limited to the more simple problems presented by income tax returns. Any complex matters involving legal or technical questions should be submitted to tax authorities for solution.

It also is pointed out that the Company cannot be responsible for the outcome of advice on matters that prove controversial.

TEC Gave Tax Forms

Y-12 employees who formerly worked for Tennessee Eastman Corp. who received Form SS-9 should transfer the earnings reported on that form to Form SS-9a as Form SS-9 now is obsolete. TEC also distributed the W2 withholding statement showing wages paid and income taxes deducted during the period that corporation operated in Y-12. W2 forms also have been sent out by Carbide for the period from last May through December 31.

Employees who formerly worked for TEC and who intend to use the W2 forms on which to file income tax returns are reminded that they must send both the form received from TEC and one received from Carbide in making the return. There have been instances where employees have sent but one of the W2 forms to the Collector of Internal Revenue with the excess income reported on Line 2. Such reports have been returned from the Internal Revenue Collector's office in Nashville and revised, corrected returns required.

Jaycees To Remodel Group Office

The Junior Chamber of Commerce laid plans at last Wednesday night's meeting to remodel the organization's headquarters now located in the old Roads and Streets building on the Oak Ridge Turnpike, it has been announced by Ward Foster, Dept. H12D, the group's publicity chairman. All work will be done by the members and when completed in late spring will be used as a clubhouse. The organization's board of directors will meet tomorrow night.

Carbide's 'Unox' Fire Extinguisher

"Unox" or "wet water," a fire-extinguishing agent perfected by Carbide and Carbon Chemicals Corp., could have saved millions of dollars in New England forest fires last year, according to Portland, Me., Fire Chief Oliver T. Sanborn. The new agent is said to be so much wetter than ordinary water that it will penetrate porous materials such as wood, charcoal, cotton and kapok.

NEW NAME FOR LAB

In line with the change of the name of the Clinton Engineer Works to Oak Ridge Area for the Atomic City territory, the name of the Clinton National Laboratory will be changed to the Oak Ridge National Laboratory on about March 1, it has been announced by David E. Lilienthal, chairman of the Atomic Energy Commission.

Five Gun Safety Rules Cited By Ridge Sportsmen

The Oak Ridge Sportmen's Association calls the attention of local nimrods to a number of simple precautionary measures which, if followed, will prevent gun accidents and save lives, it was reported by Evan Means, Dept. A14N, chairman of the group's fishing and casting division. These are first, always point the gun muzzle in a safe direction; second, ask yourself, is that gun loaded; third, be sure of your target; fourth, be sure of your backstop; and fifth, know your gun and ammunition.

Dispensary Reports Perfect Attendance

(Continued from Page 1)

tee mark of 1.8 per cent. The Fire Department, Dept. A14J, in first place the previous week, dropped to third place for the week ending February 1 when it reported an absentee mark of 2.3 per cent.

The plant absentee record for the week ending February 1 follows:

| MAJOR LEAGUE More than 50 Employees | | | |
|--|-------------------|--------|------------------|
| Dept | Percentage Absent | 2-1-48 | Standing 1-25-48 |
| B12H | 1.5 | 1 | 3 |
| A12G | 1.8 | 2 | 10 |
| A14J | 2.3 | 3 | 1 |
| B12L | 2.8 | 4 | 6 |
| A16N | 3.0 | 5 | 4 |
| A13N | 3.1 | 6 | 5 |
| A12M | 3.2 | 7 | 17 |
| A12S | 3.6 | 8 | 13 |
| A14N | 4.0 | 9 | 2 |
| A17N | 4.3 | 10 | 7 |
| H12E | 4.43 | 11 | 12 |
| H12L | 4.44 | 12 | 9 |
| M12P | 6.0 | 13 | 11 |
| H12D | 6.46 | 14 | 14 |
| B12C | 6.47 | 15 | 8 |
| A12W | 9.2 | 16 | 16 |
| B13L | 9.6 | 17 | 15 |

Group absentee percentage was four per cent, 1.1 per cent higher than the preceding week.

| MINOR LEAGUE 15-49 Employees | | | |
|---------------------------------|-------------------|--------|------------------|
| Dept. | Percentage Absent | 2-1-48 | Standing 1-25-48 |
| A12D | 0.0 | 1 | 9 |
| B12A | 0.8 | 2 | 4 |
| M13P | 1.11 | 3 | 6 |
| A15N | 1.14 | 4 | 7 |
| M12S | 3.4 | 5 | 2 |
| A12L | 4.0 | 6 | 3 |
| A12R | 4.1 | 7 | 4 |
| A12N | 5.0 | 8 | 8 |
| A13S | 6.3 | 9 | 10 |
| A13T | 6.5 | 10 | 1 |
| A12A | 8.9 | 11 | 12 |
| A12T | 10.8 | 12 | 5 |
| B13C | 13.3 | 13 | 13 |
| A19N | 20.0 | 14 | 11 |

Group absentee percentage was 5.6 per cent, 2.2 per cent higher than the preceding week.

The plant average for the week ending February 1 was 4.4 per cent, 1.4 per cent higher than the preceding week.

DOG EXPERT TO SPEAK

The Oak Ridge Kennel Club will hear Brockway Crouch, Knoxville's nationally known expert on chows and owner of many champions, talk on the subject of chows at 8 o'clock Thursday night at the American Red Cross Building. Mrs. Dave Johnson, program chairman, also said Crouch would bring along one of his prize-winning chows and demonstrate the fine points which makes a dog a champion.

STARLINGS NOT BLUFFED

Eight aluminum owls placed in trees by park board officials of West Allis, Wis., a suburb of Milwaukee, failed to disturb flocks of starlings that have been pestering the town. Although owls are the scourge of starlings, the smaller birds refused to be fooled by the metal owls and the board is seeking another solution of the problem.

TEETH CAUSE TROUBLE

Undetected or neglected childhood diseases of the gums are a major cause of loss of teeth by adults, according to Dr. B. O. A. Thomas, of the University of Washington School of Dentistry. Dr. Thomas urges early elimination of all abnormal conditions in the mouths of children to prevent future gum disorders.

KITCHENS DELAYED

Because bids for the construction of kitchens in women's Oak Ridge dormitories exceeded engineers' estimates on the work they have been rejected and the work delayed, according to the city department of public works. Plans now are being revised and work may start soon on installations at Batavia, Bayonne, Beacon, Beaumont and Carlyle Halls.

Practice In Nail Driving Is Proposed To Eliminate Those Mashed Fingers

Practice makes perfect—so they say.

That goes even for the apparently simple job of nail driving—which isn't so simple according to the throng of folks who end up with smashed thumbs and fingers after engaging in the work.

William W. Atkin, writing in a recent issue of The American Home magazine, has proposed a number of exercises for prospective nail pounders to take before they advance to the actual deed of nail driving. Here are some of his ideas.

Simple Wrist Motion Is Proposed

Before even trying an exercise using a nail, try striking a small piece of wood with a hammer. For driving brads and tacks, a wrist motion is needed. Grasp the hammer handle as far behind the head as



RIGHT: Hold face of hammerhead and handle parallel with head of nail. Grasp the handle as far away from the hammerhead as possible



WRONG: Blow of hammer held incorrectly causes hammer to glance off the nailhead, putting unsightly dent in the wood



WRONG angle of hammer will miss nail and produce sore thumb



ATTENTION you eager-beaver kitchen mechanic! Remove the nail and start all over again or you'll finish with this kind of botch job

comfortable, extending the thumb along the handle. Then strike the piece of wood, moving only the wrist and not the elbow.

More power is needed to drive longer and heavier nails. For this practice the wood should be hit by using both the wrist and elbow.

After gaining the idea of the power necessary, a test for precision is prescribed. A number of points should be marked on the board and efforts made to strike them as accurately as possible. It is suggested that the hammer head be placed on the point and then bring the hammer up and down again as near the marked point as possible.

Can Try Actual Driving After Tests

When precision has been mastered, the actual nail driving may be tried. To start the nail, hold it with the left hand and tap it lightly with the hammer until it takes hold, then drive it. When the nail head nears the surface, try to drive it flush with the board without leaving a dent.

When this can be done, there need be little worry about those bashed fingers.

Radiation Unharms Bikini Fruit Flies

Fruit flies brought from atom-bombed Bikini have shown no ill effects from radiation, according to Dr. A. C. Cole, associate professor of zoology at the University of Tennessee, who has been studying reactions of the insects brought from the Pacific Islands after the bombing tests there. The tests on the fruit flies may give a hint as to what atomic radiation will do to future generations of mankind and the results of the Cole tests will be sent to the Navy and the Armed Forces Special Weapons Project.

Fruit flies have a short life span and breed rapidly and any abnormalities caused by radiation will show up in them more quickly than in animals, Dr. Cole pointed out. More time will be required to determine the effect of radiation on subsequent generations of the flies originating in Bikini.

B-29 PROBES UNIVERSE

A stripped-down and super-charged giant B-29 airplane has been equipped by University of Chicago physicists to climb 40,000 feet to study cosmic rays and the origin of giant atmospheric showers. One secret sought is to find out if all cosmic rays are positively charged, as scientists generally believe. The giant plane is making flights on the American West Coast from California to Panama.

Little Nell was telling everyone of the fact that she had a new baby brother at home.

"Fine," one kind soul replied, "and is he going to stay?" "I guess so," said Little Nell, "he's got his things off."

37,000 Enrolled In State Colleges

The United States Office of Education recently announced that more than 37,000 pupils are enrolled in colleges and universities in Tennessee. Of this number there are 25,128 men and 12,184 women. A total of 17,316 veterans are enrolled, of which only 350 are women.

Mom: "What's the matter, Jimmy?"

Jimmy (crying): "Pop hit his finger with a hammer."

Mom: "You needn't cry about that. Why didn't you laugh?"

Jimmy: "I did."

Know the security requirements of your job.



For America's Future and...
WORLD PEACE



PROTECT ALL INFORMATION
NOT OFFICIALLY RELEASED

CARBIDE AND CARBON CHEMICALS CORPORATION

P. O. Box P.
Y-12 Area
Oak Ridge, Tenn.

(RETURN POSTAGE GUARANTEED)

Sec. 562, P.L.&R.
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 3

Plant Loop Cagers To Start Double Elimination Tournament February 25; Short Second Half Of Season Schedule Revised

First half play in the Plant Basketball League ended January 30 with a tripleheader at the Scarboro gymnasium and judging by the closeness of the final scores play will be wide open in the second stanza and in the double elimination tournament which follows. The Guards, on the floor twice that night, lost the first one to the Bottlenecks, 25 to 23, and nosed out the Time Keepers, 28 to 27, in tight battle all the way. In the third game, the Rough House Five, first half titlists, took the Bldg. 9212 boys by a tally of 36 to 25.

Second half play began last Wednesday night and again close scoring characterized the contest when the aggregation representing Bldg. 9212 eeked out a 21 to 19 triumph over the famous Kilroys. Kilian, of the losers, led both teams with 11 points scored on five field goals and a point via the charity route. Guttery paced the winner in accounting for three from the field and two points on free throws.

A newcomer in the league for second half play in the Plant League came out a natural as the addition of a new team, the Old Men, gives the loop seven aggregations. The new team made it necessary to revise the second half schedule.

Chart to Be Published

Arnold Tiller, Recreation Supervisor, announces that the double elimination tournament which follows end of second half play will start February 25 and run through March 12. A tournament chart will appear in The Y-12 Bulletin next week.

The revised schedule for the rest of the second half of the season follows:

Wednesday, February 11—Time Keepers vs. Kilroys, 6:30 p. m.; Rough House Five vs. Bldg. 9212, 7:45 p. m.; Old Men vs. Guards, 9 p. m.

Friday, February 13—Rough House Five vs. Bottlenecks, 6:30 p. m.; Guards vs. Kilroys, 7:45 p. m.; Time Keepers vs. Bldg. 9212, 9 p. m.

Monday, February 16—Bldg. 9212 vs. Old Men, 7 p. m.

Wednesday, February 18—Kilroys vs. Old Men, 6:30 p. m.; Bottlenecks vs. Time Keepers, 7:45 p. m.; Guards vs. Rough House Five, 9 p. m.

Friday, February 20—Kilroys vs. Rough House Five, 6:30 p. m.; Time Keepers vs. Guards, 7:45 p. m.; Bldg. 9212 vs. Bottlenecks.

Monday, February 23—Guards vs. Bottlenecks, 7 p. m.; Rough House Five vs. Old Men.

All games are scheduled for the Scarboro gymnasium with the exception of those listed for February 16 and 23. These contests will be played at the Fairview School gymnasium.

Final first half league standing follows:

| Team | W | L | Team | W | L |
|--------------|---|---|-------------|---|---|
| RH Five | 8 | 2 | Kilroys | 5 | 8 |
| Time Keepers | 8 | 5 | Bldg. 9212 | 4 | 9 |
| Guards | 7 | 5 | Bottlenecks | 1 | 6 |

Y-12 Cueists Sweep Five Games; Take Third Place

Our up-and-coming cue artists climbed into third place in the City Pocket Billiard League as a result of making a clean sweep of all five matches with Clinton Lab boys last week. The Y-12 lads played the Cue-Cushion outfit last night and take on the loop leading K-25 shooters next Monday night at the Midtown billiard rooms.

The boys won their matches in the following manner (first named are Y-12ers): Wiest 75, A. Snapp 61; Walker 75, Hurt 70; Burnett 75, Grigg 65; Galloway 75, Sibert 48; and Spainhour 75; H. Snapp 63.



MEET THE CHAMPS! The Rough House Five are first half titlists in the Y-12 Plant Basketball League by virtue of having been declared the top quint by all other team captains on its great won and lost record. Left to right are Ward Foster, Dewey Lee, Bill Higgins, Warren Grimes, John Ramsey, Bill Cottrell, Fred Kappelmann and Paul Griffin. Absent when the picture was taken was Jack Thomson, the champ's captain.

Playoffs Loom For Both Men And Women Y-12 Cagers In Ridge Loops; Varsity Quint Wallops Motors; Lassies Divide Two League Contests

Elmer "Knobby" Green and Paul Clevenger put on a two-man scoring spree at the Linden gymnasium last Wednesday night and our Y-12 varsity representatives in the City Recreation Basketball League rolled aside a strong Oak Ridge Motors quint by the score of 35 to 30. As K-25 also came through with its sixth win against a single defeat, Y-12 continued to share the loop leadership with the Carbide cousins.

Green Scores 17 Points

Evidently fired to a high pitch by the new uniforms of fire-engine red, Green—we're trying not to mix the colors—and Clevenger together came within a single point of totaling the opponent's score of 30. Elmer led both teams with his 17 points, followed by Paul with an even dozen. Rick Sparks and Arnold Tiller each accounted for two points, and Fred Kappelmann and John Sewell split a pair of singletons.

Playoff Strong Possibility

A playoff for the Recreation League championship between Y-12 and K-25 now looms stronger than a mere possibility, especially if Y-12 came through in last night's game against the strong, third place Clinton Lab team. Y-12 should have an easy time winning its last game, which is scheduled next Monday with the Skidmore, Owens and Merrill aggregation. K-25's two remaining contests are with the Skidmores and the Jaycees.

League standing follows:

| Team | W | L | Team | W | L |
|-----------|---|---|------------|---|---|
| Y-12 | 6 | 1 | Wildcats | 3 | 4 |
| K-25 | 6 | 1 | G. M'chnts | 2 | 4 |
| Clin Lab | 5 | 1 | JCCs | 2 | 5 |
| OR Motors | 4 | 2 | C. Stores | 1 | 6 |
| AEC | 3 | 3 | Celtics | 1 | 6 |

Feminine Bowlers In Tie For Second In Ridge Loop

A break in the 700-class bowling stride cost the Y-12 varsity kegling lassies a clean sweep over the C. S. Laundry in last Thursday night's timber tumbling at the Grove Alleys. That slip in the second game placed Y-12 in a tie for second and third positions with Roane-Anderson in the Oak Ridge Women's Bowling League.

Y-12 took the first game 754 to 724, bowed in the second 652 to 660, and came back strong in the third and took it on a score of 719 to 651. Individual scores posted were Dot Roberts 155, 113 and 161; Ann Hart 174, 139 and 156; Ann Preston 136, 127 and 140; Margaret Solomon 144, 132 and 140; and Lora Tucker 145, 141 and 122. Tucker and Roberts, tied with a season's average of 143, occupy third and fourth positions in the league on individual efforts.

Trailing the loop-leading Clinton Lab crew by five games, the Y-12 girls may be able to take up a little slack next Thursday night when they meet the 11th place Pine Valley Merchanteers.

League standing follows:

| Team | W | L | Team | W | L |
|-----------|----|----|--------------|----|----|
| Clin Lab | 39 | 15 | Jeffs | 26 | 28 |
| Y-12 | 34 | 20 | Ford Motor | 26 | 28 |
| R-A | 34 | 20 | K-25 | 23 | 31 |
| Fairchild | 29 | 25 | G. Mchnts | 22 | 32 |
| Morats | 28 | 26 | P. V. Mchnts | 20 | 34 |
| Dodgers | 27 | 27 | CS Laundry | 16 | 38 |

SHRINE CLUB PLANS BALL

A Leap Year Ball will be given Friday night, March 5, at Grove Recreation Hall by the Oak Ridge Shrine Club. Dining and dancing will be featured, with music provided by Skip Skipper and his orchestra from 9 p. m. to 1 a. m.

When Coach Bill Davis' red-suited lassies clash with the Clinton Lab gals Thursday at the Jefferson gymnasium—starting time set at 7 p. m.—the game will wind up the season and in all probability decide the second half title winner in the Oak Ridge Women's Basketball League. A sad 34 to 12 loss to the X-10 girls and an easy coasting 30-13 victory over the K-25 sextet last week put the Y-12ers in second place and one game behind the Clintonians.

Y-12 GIRLS TO PLAY OLIVER SPRINGS FEB. 19

The Y-12 varsity sextet will play an American Legion sponsored girls' team from Oliver Springs at the Jefferson Junior High School gymnasium Thursday, February 19, it has been announced by the Recreation Department. Arnold Tiller, Y-12 Recreation Supervisor, said the game would start at 7:15 p. m., and would probably be played as a preliminary to the K-25-Gulf Refiners contest.

'Old Men' Join Plant Cage Loop Prater Is Pilot

A new quintet enlisted in the Plant Basketball League last week, making it a seven-team loop, and already the youngster has begun to walk, talk, play basketball and raring to get into second half action. However, judging by the name taken by this new team, its hardwood floor strategy may be one of deception—they call themselves the Old Men.

Men of Bldg. 9731 compose the new quint which is captained by six-foot Bill Prater who played guard several years ago on the Carson-Newman College varsity basketball team. Other members of the team whose age averages about 25 years and height close to six feet are Leo Caldwell, graduate of University of Mississippi; Bill Dillon, Holy Cross; Fred Boody, Penn State; F. B. Waddell, TPI; Leon Love, Mississippi State; Bill Brundage, University of Iowa; George Chilton, University of Tennessee; John Rodin, Stanford; W. Davis, Wake Forest; and Tom Crabtree, of Harlan, Ky.

Varsity Bowlers Of Y-12 Drop To Second Place Spot

Our varsity Y-12 kegling lads made but a one week's stand on the top spot in the City Industrial Bowling League and relinquished the lead to K-25 as a result of losing a two-out-of-three game series to a hot Roane-Anderson team last Tuesday night at the Central Alleys. The Y12ers did some pretty fair rolling but it was a R-A night, as Sky Barker's men dropped the first game by a score of 802 to 829, won the second 873 to 810, and again bowed in the third game, 823 to 906.

The following individual Y-12 bowling shows good, though losing, scores were chalked up as Cobble rolled games of 162, 169 and 182; B. Whitaker chalked scores of 143, 164 and 170; Beckett, 185, 203 and 133; ZaBenco, 155, 149 and 162; and Roberts, 157, 188 and 176. Y-12 now trails K-25 by a single game and is tied for second place with the Atomic Energy Commission aggregation, which team they meet tonight at the Central Alleys.

League standings follow:

| Team | W | L | Team | W | L |
|------|----|----|-----------|----|----|
| K-25 | 42 | 21 | R-A | 34 | 29 |
| Y-12 | 41 | 22 | Fairchild | 18 | 45 |
| AEC | 41 | 22 | Skidmores | 13 | 50 |

V. F. W. Post Will Sponsor Basketball, Baseball Teams

Members of the Raymond C. Mason Post No. 6351, Veterans of Foreign Wars, will actively demonstrate in the Oak Ridge field of sports, this year that they are "back from the wars," according to W. O. Elam, Senior Vice-Commander of the post and a captain in the Y-12 Fire Department.

Plans adopted at a post meeting last Tuesday night calls for the fielding of a baseball team in the city's major league this season. A three-man athletic committee was appointed and Owen Elliott was named temporary manager of the team. Players already reporting to Elliott number 19, and more are expected as warm weather approaches. A meeting will be called soon to organize the team and arrange practice schedules.

The post's athletic committee of Elliott, James Babb and Robert Bledsoe announced that the basketball team of intermediate boys, sponsored by the VFWs, are being uniformed and that the squad will participate in the Y. M. C. A. gold medal tournament in Knoxville February 19 and 20.